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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/695,989	10/30/2003	Hea-Sun Park	P3054/KANG	5663

7590

08/25/2005

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EXAMINER

DUNHAM, JASON B

ART UNIT

PAPER NUMBER

3625

DATE MAILED: 08/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/695,989

Applicant(s)

PARK, HEA-SUN

Examiner

Jason B. Dunham

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 October 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because of uneven shading in figures 4 and 5. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bae (U.S. Patent No. 6,801,619) in view of Huntsman (U.S. Patent No. 5,949,412).

Referring to claim 1. Bae discloses a remote control system using webs and icons, comprising:

- A consultant's computer that is the subject of control (Bae: column 6, lines 1-8);
- A user's computer that is the object of control (Bae: column 5, lines 63-67);
- A relay server for relaying a control procedure (Bae: column 8, 33-47);

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- An authentication database that manages connection information of the consultant's computer (column 6, lines 15-49); and
- A web page for inducing connection of the user's computer (Bae: abstract), wherein the relay server connects the consultant's computer with the user's computer through a packet switching method to remotely control the user's computer through a consultant authentication request step in which the consultant transmits consultant connection information including the IP address and service port of the consultant's computer to the relay server and requests the relay server to authenticate the consultant's computer (Bae: column 6, lines 15-37 and column 11, line 62 – column 12, line 7).
- A consultant authentication step in which the relay server stores the connection information including the IP address and service port of the consultant's computer in the authentication database, generates an access password and transmits it to the consultant's computer, and activates an icon including the ID of the consultant on the web page (Bae: column 6, line 61 – column 7, line 18).
- Bae teaches all of the above, but does not expressly disclose a system wherein a user clicks an icon that represents a consultant. Huntsman discloses a system in which the user clicks the icon on the web page through a browser of the user's computer (Huntsman: column 6, lines 32-49). The examiner notes that Bae discusses a signal S1 that identifies the consultant via the internet and the customer may choose that consultant by sending a signal Sc (Bae: column 6, line 61 – column 7, line 18). It would have been obvious to one of ordinary skill in the

art at the time of applicant's invention to modify the system of Bae to click on an icon to choose a consultant, as taught by Huntsman, to allow the user to click on any part of the image to choose a consultant (Huntsman: column 6, lines 32-49).

- A user information extracting step in which the relay server extracts user connection information including the IP address of the user's computer and consultant ID included in the icon to memorize them, and inactivates the icon of the consultant on the web page, clicked by the user (Bae: column 6, line 61 – column 7, line 18). The examiner notes that Bae discusses connection of the user computer and consultant computer after a consultant has been chosen and the use of visual symbols (Bae: column 4, lines 26-33), or icons, to identify the status of the connection link.
- A user authentication step in which the relay server produces a password input picture to which the user will input the access password informed by the consultant, on the user's computer, confirms whether the access password is right or not, and searches the authentication database using the consultant ID to extract connection information of the consultant's computer when the inputted password is right (Bae: column 6, lines 15-27).

Referring to claim 3. The combination of Bae and Hunstman teach all of the above and Huntsman further discloses a remote control system wherein a viewer, a program that receives image data from the user's computer to display it on the screen of the consultant's computer, is installed in the consultant's computer so that the

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consultant can confirm the screen of the user's computer while remotely controlling it (Huntsman: column 4, lines 28-31).

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bae/Huntsman as applied to claim 1 above, and further in view of Komori (U.S. Patent Application Publication No. 2001/0027421).

Referring to claim 2. The combination of Bae and Huntsman teach all of the above but do not expressly teach a system wherein the user authentication step comprises receipt number generating, transmission, or confirmation steps. The combination of Bae/Huntsman and Komori discloses a system comprising:

- A receipt number generating step in which the relay server generates a receipt number to transmit it to the consultant's computer (Komori: paragraphs 57 and 59);
- A receipt number transmission step in which the relay server produces a password input picture where the receipt number is indicated, on the user's computer (Komori: paragraphs 57 and 59);
- An access password inputting step in which the user inputs the access password informed by the consultant to the password input picture (Bae: column 6, lines 15-27);
- An access password confirmation step in which the relay server confirms whether the access password is correct (Bae: column 6, lines 15-27);

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- A receipt number confirmation step in which, when the password is right, the relay server informs the consultant of it so that the consultant can confirm the receipt number to the user (Bae: column 6, lines 15-27); and
- A relay request step in which the consultant's computer requests the relay server to relay the consultant's computer and user's computer with each other when the receipt number is correct (Bae: column 6, lines 15-27);

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to modify the systems of Bae and Huntsman to include the user of a receipt number in the authentication process, as taught by Komori, to enhance security and deny improper usage (Komori: paragraph 68).

Conclusion

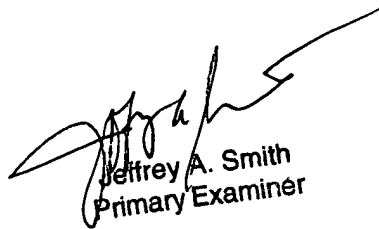
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason B. Dunham whose telephone number is 571-272-8109. The examiner can normally be reached on M-F, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wynn Coggins can be reached on 571-272-7159. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JBD



Jeffrey A. Smith
Primary Examiner